

FIGURE 1

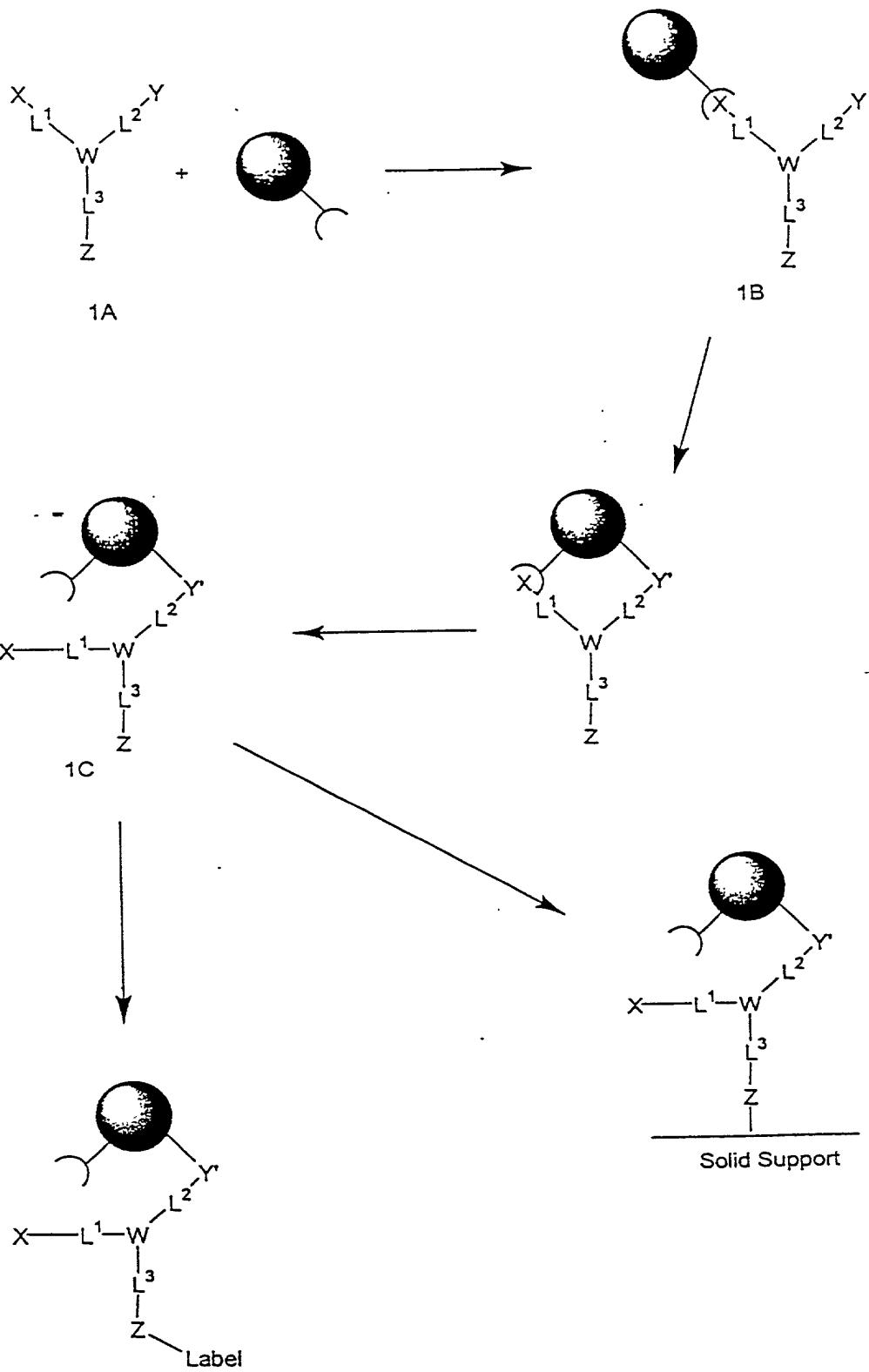
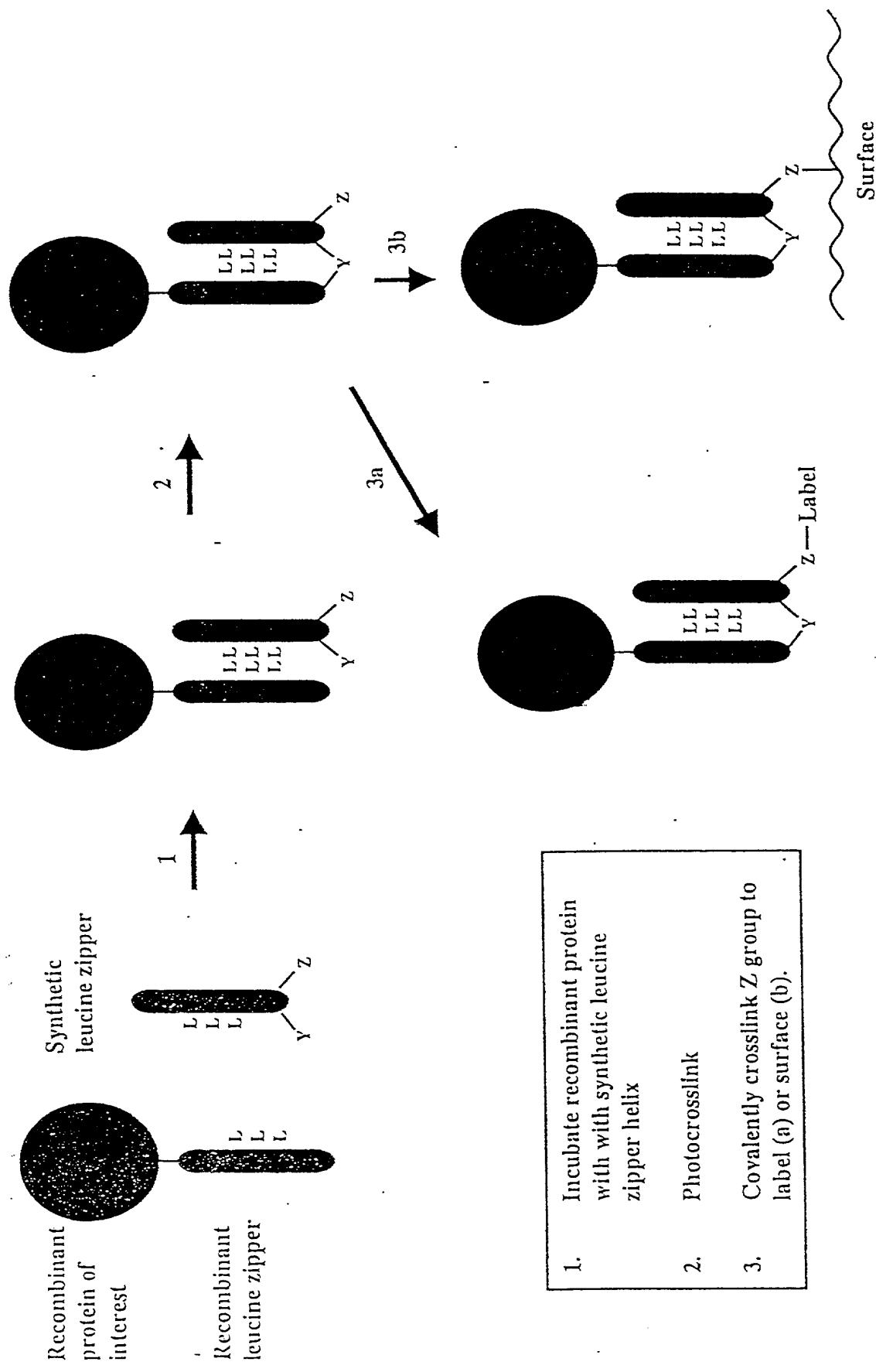


Figure 2: Approach I



**Figure 3 : Approach II**

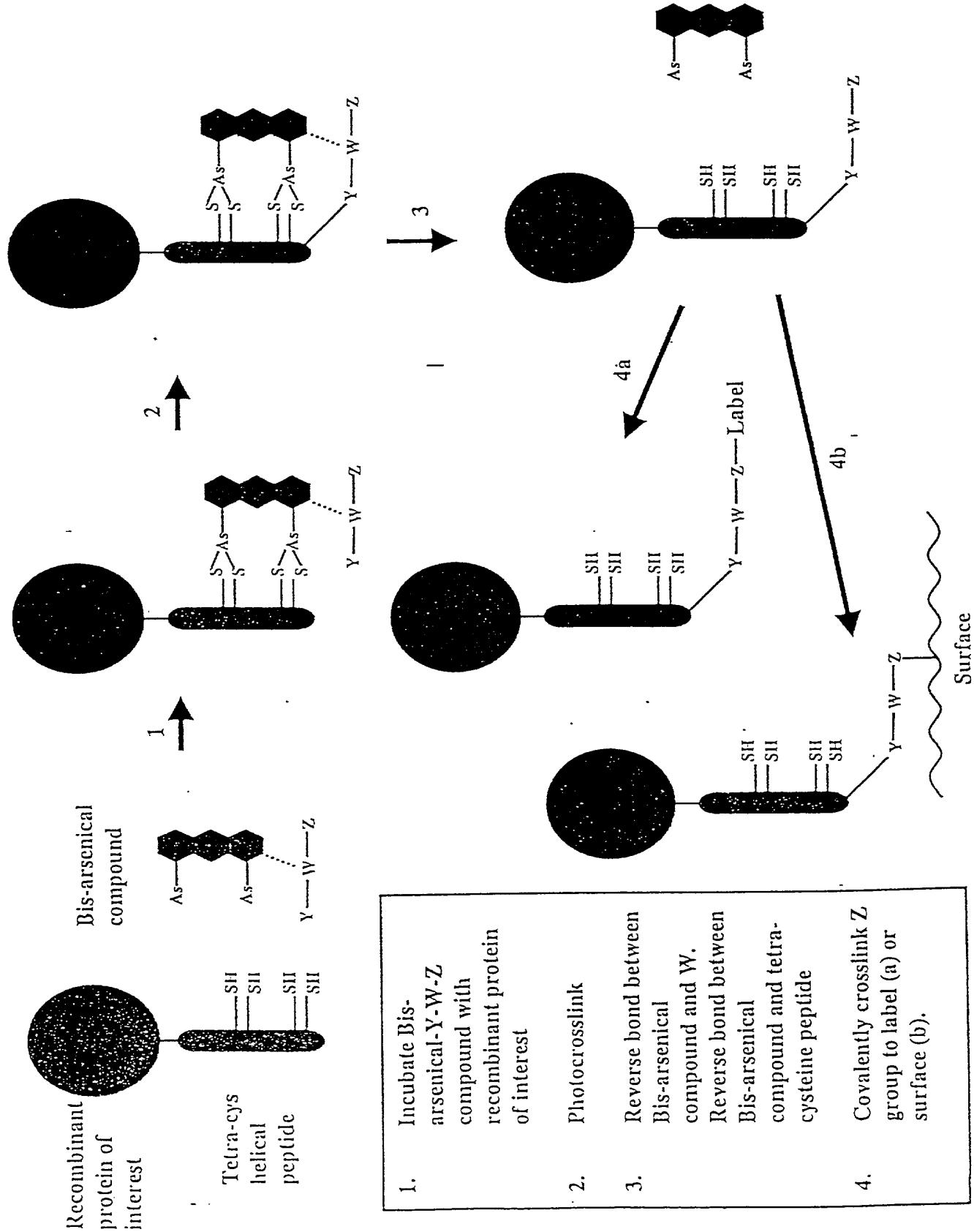
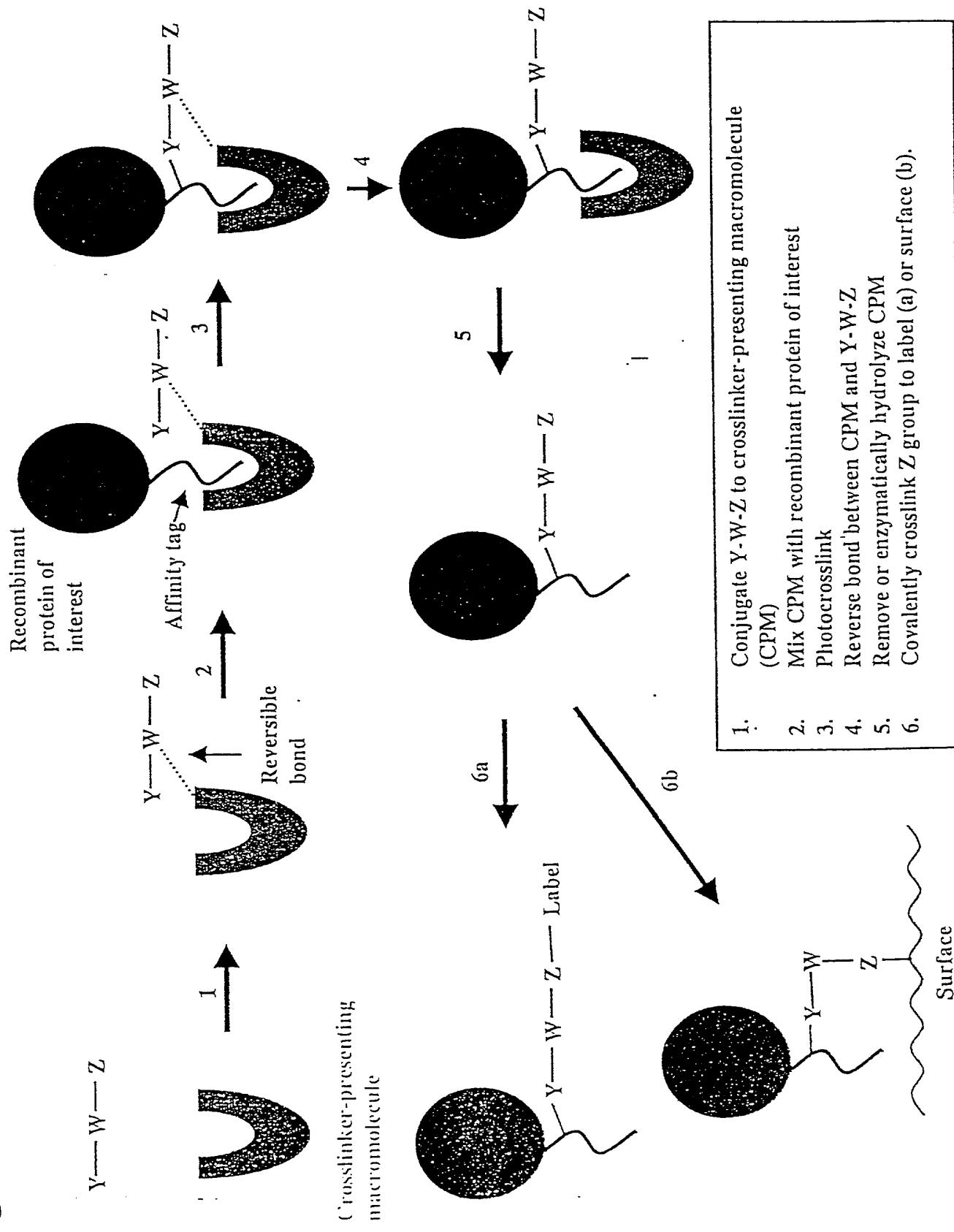


Figure 4a: Approach III



1. Conjugate  $Y-W-Z$  to crosslinker-presenting macromolecule (CPM)
2. Mix CPM with recombinant protein of interest
3. Photocrosslink
4. Reverse bond between CPM and  $Y-W-Z$
5. Remove or enzymatically hydrolyze CPM
6. Covalently crosslink  $Z$  group to label (a) or surface (b).

Figure 4b Approach III continued

Examples of systems for delivering crosslinker to recombinant proteins

